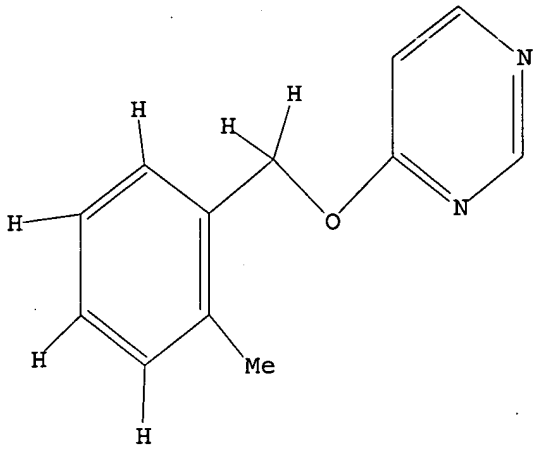
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 10:45:48 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 37 TO ITERATE

100.0% PROCESSED 37 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 376 TO 1104
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 10:45:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 718 TO ITERATE

100.0% PROCESSED 718 ITERATIONS 11 ANSWERS
SEARCH TIME: 00.00.01

L3 11 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	148.15	148.36

FILE 'CAPLUS' ENTERED AT 10:46:00 ON 08 MAY 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 8 May 2003 VOL 138 ISS 19
FILE LAST UPDATED: 7 May 2003 (20030507/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 8 L3

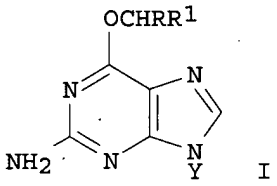
=> d ibib abs hitstr tot

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:205100 CAPLUS
DOCUMENT NUMBER: 132:246344
TITLE: O6-substituted guanine derivatives, a process for their preparation, and their use in treating tumor cells
INVENTOR(S): McMurry, Thomas Brian; McBlhinney, Robert Stanley; McCormick, Joan Elizabeth; Elder, Rhoderick Hugh; Kelly, Jane; Margison, Geoffrey; Rafferty, Joseph Anthony; Watson, Amanda Jean; Wilington, Mark Andrew; Donnelly, Dorothy Josephine
PATENT ASSIGNEE(S): Cancer Research Campaign Technology Ltd., UK
SOURCE: U.S., 60 pp., Cont.-in-part of WO9429312. CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6043228	A	20000328	US 1995-568576	19951207
WO 9429312	A1	19941222	WO 1994-IE31	19940608
W: AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, CZ, DE, DE, DK, DK, ES, FI, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, SK, TJ, TT, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
ZA 9404026	A	19950206	ZA 1994-4026	19940608
US 5929046	A	19990727	US 1995-572966	19951215
WO 9720843	A1	19970612	WO 1996-IE84	19961209
W: AL, AM, AT, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, CZ, DE, DE, DK, DK, EE, EE, ES, FI, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,				

IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG
AU 9720142 A1 19970627 AU 1997-20142 19961209
AU 715016 B2 20000113
EP 874848 A1 19981104 EP 1996-943278 19961209
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
JP 2000501415 T2 20000208 JP 1997-521129 19961209
US 6096724 A 20000801 US 1998-88740 19980602
PRIORITY APPLN. INFO.: IE 1993-432 A 19930608
GB 1994-10421 A 19940523
WO 1994-IE31 A2 19940608
US 1995-568576 A2 19951207
US 1995-572966 A 19951215
WO 1996-IE84 W 19961209
OTHER SOURCE(S): MARPAT 132:246344

GI



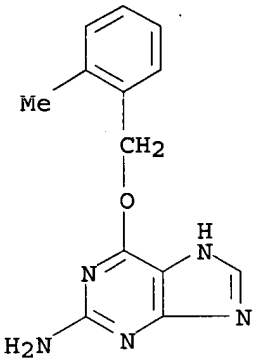
I

AB O6-hetarylalkyl- or naphthylalkylguanine derivs. I [Y = H, (deoxy)ribosyl, (R''X)(R''')CH, (X = O, S; R'', R''' = (un)substituted alkyl); R' = H, alkyl, hydroxyalkyl; R = (i) cyclic group with .gtoreq.1 5- or 6-membered heterocyclic ring, optionally with carbocyclic or heterocyclic ring fused thereto, the or each heterocyclic ring having .gtoreq.1 O, N, S, or substituted deriv. thereof; or (ii) (un)substituted naphthyl], and pharmaceutically acceptable salts thereof, exhibit the ability to deplete O6 -alkylguanine-DNA alkyltransferase activity. A process for prepn. of the compds. is described. The compds. have utility in combination with alkylating agents in the chemotherapeutic treatment of tumor cells.

IT **261905-09-3**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(guanine deriv. prepn. for alkylguanine-DNA alkyltransferase inhibitors, and use in treating tumor cells in combination with alkylating agents)

RN 261905-09-3 CAPLUS

CN 1H-Purin-2-amine, 6-[(2-methylphenyl)methoxy]- (9CI) (CA INDEX NAME)

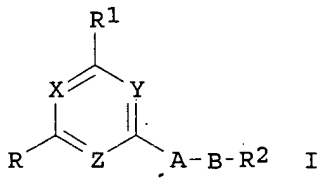


REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1999:583185 CAPLUS
DOCUMENT NUMBER: 131:199710
TITLE: Preparation of nitrogen containing aromatic compounds as herbicides
INVENTOR(S): Kuboyama, Nobuhiro; Koizumi, Kazuya; Yamashita, Osamu; Wakabayashi, Osamu; Tomono, Kotaro; Hattori, Takashi
PATENT ASSIGNEE(S): Tomono Agrica K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 42 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

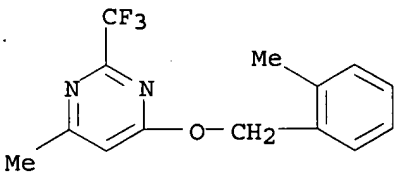
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11246528	A2	19990914	JP 1998-345843	19981204
PRIORITY APPLN. INFO.:			JP 1997-335223	19971205

OTHER SOURCE(S): MARPAT 131:199710
GI



AB Title compds. [I; X, Y, Z are independently N, CH; R = CF3; R1 = CH3, H, CH2CH3, (CH3)2CH, C6H5; A = NH, NCHO, NCOCH3, NCOCH2CH3, NCOCH2CH2CH3, NCOCH(CH3)2, NCOC(CH3)3, O, NCH2CCH, S; B = CH2, (S)-CH3CH, (R)-CH3CH, CH3CH, CH3CHCH2CH2, (CH3)2CCH2, (CH2)4, (CH2)2, (CH2)3; R2 = 4-ClC6H4, 2-ClC6H4, 3-ClC6H4, 4-BrC6H4, 3-F3CC6H4, 4-F3CC6H4, 2-BrC6H4, 3-BrC6H4, 3-Br-4-FC6H3, 2-CH3C6H4, 3-O2NC6H4, 2-HOC6H4, C6H5, 2-pyridyl, 3-pyridyl, cyclohexyl; BR2 = (CH2)7CH3, (CH2)2CH(C6H5)2; etc.], and salts are prepd. as herbicides and tested on rice paddies. Thus, the title compd. I (R = CF3; R1 = CH3; A = NH; B = CH2; R2 = 4-ClC6H4; X = N; Y = N; Z = CH) was

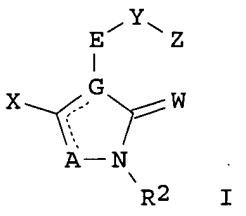
prepd.
IT **241163-62-2P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of nitrogen contg. arom. compds. as herbicides)
RN 241163-62-2 CAPLUS
CN Pyrimidine, 4-methyl-6-[(2-methylphenyl)methoxy]-2-(trifluoromethyl)-(9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1998:112354 CAPLUS
DOCUMENT NUMBER: 128:167436
TITLE: Preparation of arthropodicidal and fungicidal cyclic amides
INVENTOR(S): Brown, Richard James; Chan, Dominic Ming-Tak; Clark, David Alan; Drumm, Joseph Eugene, III; Koether, Gerard Michael; McCann, Stephen Frederick; Rorer, Morris Padgett; Selby, Thomas Paul; Walker, Michael Paul
PATENT ASSIGNEE(S): E.I. Du Pont De Nemours and Co., USA; Brown, Richard James; Chan, Dominic Ming-Tak; Clark, David Alan; Drumm, Joseph Eugene, III; Koether, Gerard Michael; McCann, Stephen Frederick; Rorer, Morris Padgett; Selby, Thomas Paul; Walker, Michael Paul
SOURCE: PCT Int. Appl., 130 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9805652	A2	19980212	WO 1997-US12809	19970724
W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9738890	A1	19980225	AU 1997-38890	19970724
EP 934283	A2	19990811	EP 1997-936152	19970724
R: DE, FR, GB, IT				
BR 9711816	A	19990831	BR 1997-11816	19970724
CN 1231663	A	19991013	CN 1997-198356	19970724
JP 2000516583	T2	20001212	JP 1998-507942	19970724
PRIORITY APPLN. INFO.:			US 1996-22933P P	19960801
			WO 1997-US12809 W	19970724

OTHER SOURCE(S): MARPAT 128:167436
GI



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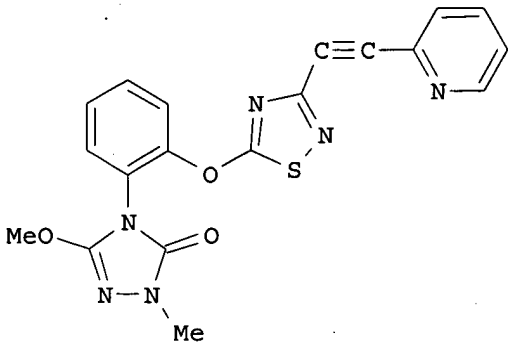


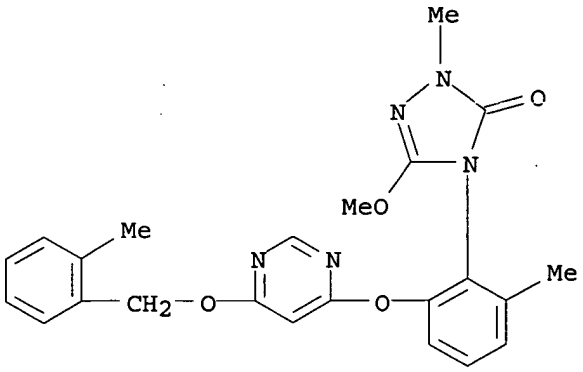
II

AB The title compds. [I; E = (un)substituted 1,2-phenylene, naphthalene, 5-12 membered monocyclic and fused bicyclic heteroaryl; A = O, S, N, NR5, CR14; G = C, N (provided that when G = C, then A = O, S, NR5 and the floating double bond is attached to G; and when G = N, then A = N, CR14 and the floating double bond is attached to A); W = O, S, NH, N(C1-6alkyl), NO(C1-6alkyl); X = OR1, S(O)mR1, halo; Y = O, S(O)n, NR15, etc.; Z = (un)substituted C3-8 cycloalkyl, C3-8 cycloalkenyl, Ph, etc.; R1 = C1-6 alkyl, C1-6 haloalkyl, C2-6 alkenyl, etc.; R2 = H, C1-6 alkyl, C1-6 haloalkyl, etc.; R5 = H, C1-6 alkyl, C1-6 haloalkyl, etc.; R14 = H, halo, C1-6 alkyl, etc.; R15 = H, C1-3 alkyl, C3-6 cycloalkyl, etc.; m, n = 0-2], useful for controlling plant diseases caused by fungal plant pathogens, and for controlling arthropods, were prepd. Thus, reaction of 2,4-dihydro-4-(2-hydroxyphenyl)-5-methoxy-2-methyl-3H-1,2,4-triazol-3-one with 3-iodo-5-(methylsulfonyl)-1,2,4-thiadiazole in the presence of K2CO3 in Me2CO followed by reacting the resulting 2,4-dihydro-4-{2-[(3-iodo-1,2,4-thiadiazol-5-yl)oxy]phenyl}-5-methoxy-2-methyl-3H-1,2,4-triazol-3-one with 2-ethynylpyridine in the presence of CuI, PdCl2(PPh3)2 and Et3N in DMF afforded the title compd. II which showed 95% control against Erypsiphe graminis (the causal agent of wheat powdery mildew) at 500 g/ha.

IT **203054-34-6P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of arthropodicidal and fungicidal cyclic amides)

RN 203054-34-6 CAPLUS

CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-5-methoxy-2-methyl-4-[2-methyl-6-[[6-[(2-methylphenyl)methoxy]-4-pyrimidinyl]oxy]phenyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:958015 CAPLUS
DOCUMENT NUMBER: 123:340190
TITLE: Herbicidal pyrazines and pyrimidines
INVENTOR(S): Niedermann, Hans-Peter; Munro, David
PATENT ASSIGNEE(S): Shell Internationale Research Maatschappij B.V., Neth.
SOURCE: Brit. UK Pat. Appl., 48 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2285045	A1	19950628	GB 1994-25387	19941212

PRIORITY APPLN. INFO.: EP 1993-120953 19931227
OTHER SOURCE(S): CASREACT 123:340190; MARPAT 123:340190
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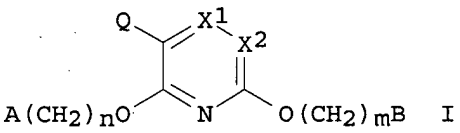

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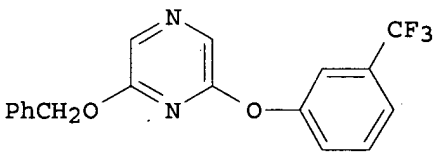

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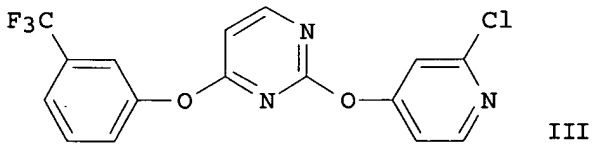


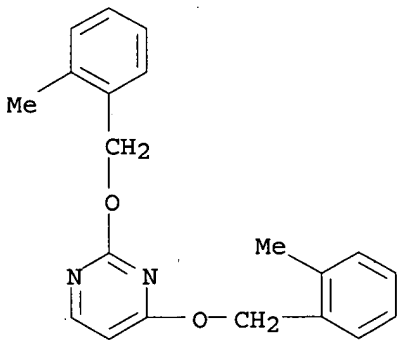
III

AB Title compds. I [one of X1 and X2 = N, other = CR where R = H, halo, NO2, cyano, OH, (un)substituted alkyl, alkenyl, alkynyl, alkoxy, alkoxycarbonyl, alkylthio, amino, or amido; Q = H, halo, NO2, cyano, OH, or (un)substituted alkyl, alkenyl, alkynyl, alkoxy, alkoxycarbonyl, alkylthio, amino, or amido; n, m = 0, 1, 2 or 3; A and B = (un)substituted aryl or heteroaryl], having herbicidal activity, are prepd. (87 compds.). For example, 2,6-dichloropyrazine reacted with 1-equiv PhCH2OH and NaH in THF, and the product reacted with 3-CF3C6H4ONa in DMSO at 80.degree., to give 95.4% title compd. II. In tests against 8 plants, title compd. III at 5 kg/ha (foliar spray) gave complete kill of Echinochloa crus-galli with no damage to rice. Test data include foliar, pre-emergence, and soil drench applications against the 8 plants for most compds.

IT **170994-13-5P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of herbicidal pyrazines and pyrimidines)

RN 170994-13-5 CAPLUS

CN Pyrimidine, 2,4-bis[(2-methylphenyl)methoxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1995:507992 CAPLUS
DOCUMENT NUMBER: 122:265393
TITLE: Preparation of pyrimidinylacrylates as agrochemical fungicides.
INVENTOR(S): Eberle, Martin; Schaub, Fritz; Craig, Gerald Wayne
PATENT ASSIGNEE(S): Sandoz Ltd., Switz.; Sandoz-Patent-G.m.b.H.; Sandoz-Erfindungen Verwaltungsgesellschaft m.b.H.
SOURCE: Eur. Pat. Appl., 45 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

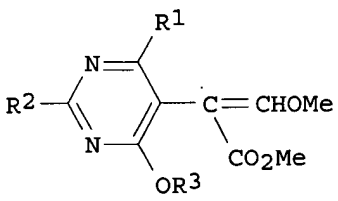
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 634405	A1	19950118	EP 1994-810406	19940708
EP 634405	B1	20021030		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
CA 2127665	AA	19950113	CA 1994-2127665	19940708
US 5453427	A	19950926	US 1994-273033	19940708
AT 226944	E	20021115	AT 1994-810406	19940708

AU 9467395	A1	19950119	AU 1994-67395	19940711
AU 684780	B2	19980108		
JP 07089940	A2	19950404	JP 1994-158403	19940711
BR 9402681	A	19950502	BR 1994-2681	19940711
CN 1122800	A	19960522	CN 1994-107547	19940711
IL 110271	A1	19980924	IL 1994-110271	19940711
PL 176705	B1	19990730	PL 1994-304226	19940711
HU 68258	A2	19950628	HU 1994-2075	19940712
HU 214025	B	19971229		
ZA 9405047	A	19960112	ZA 1994-5047	19940712
US 5635508	A	19970603	US 1995-435053	19950508

PRIORITY APPLN. INFO.: GB 1993-14355 A 19930712
US 1994-273033 A1 19940708

OTHER SOURCE(S): MARPAT 122:265393

GI



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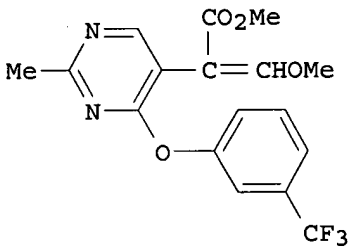


II

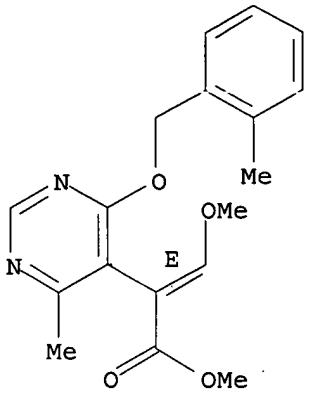
AB Title compds. [I; R1 = H, Me, Et, CF3; R2 = H, Me, Et, alkylthio, alkoxy, dialkylamino; R3 = alkyl, haloalkyl, (substituted) aryl, heteroaryl, arylalkyl, heteroarylalkyl, aryloxyalkyl, aryloxyaryl, arylaryl, heteroaryl, arylalkoxyaryl, arylalkoxyalkyl, heteroaryloxyaryl, aryloxyalkylaryl], were prepd. Thus, Et .alpha.-(2-methyl-4-chloro-5-pyrimidinyl)acetate, 3-trifluoromethylphenol, and K2CO3 were heated in DMF to give Et .alpha.-(2-methyl-4-(3-trifluoromethylphenoxy)-5-pyrimidinyl)acetate. This was stirred 16 h with NaH, MeO2CH, and 1,2-dimethoxyethane; MeI was added and the mixt. was stirred a further 2 h to give title compd. (II). Numerous I as 100 mg/L sprays showed >90% efficacy against Sphaerotheca fuliginea.

IT **162497-97-4P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of pyrimidinylacrylates as agrochem. fungicides)

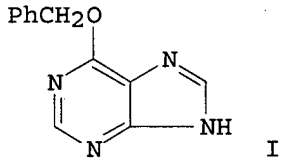
RN 162497-97-4 CAPLUS

CN 5-Pyrimidineacetic acid, .alpha.-(methoxymethylene)-4-methyl-6-[(2-methylphenyl)methoxy]-, methyl ester, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1979:81971 CAPLUS
DOCUMENT NUMBER: 90:81971
TITLE: Some new cytokinins: activity of methyl-benzyloxypurines
AUTHOR(S): Wilcox, E. J.
CORPORATE SOURCE: Wye Coll., Univ. London, Wye/Ashford/Kent, UK
SOURCE: BCPC Monograph (1978), 21(Oppor. Chem. Plant Growth Regul.), 175-80
CODEN: MBCCDO; ISSN: 0306-3941
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

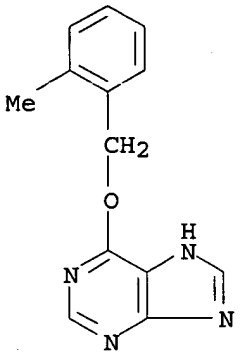


I

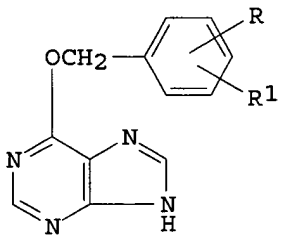
AB The effects on cytokinin activity of Me group substitution in the benzyl ring of 6-benzyloxypurine (I) [57500-07-9] was measured with the tobacco pith test and discussed in terms of the mol. shape of the side chain. Activities of the 2-Me substituted compd. [**67733-76-0**] and the 3-Me compd. [67733-77-1] were similar to that of I whereas the 4-Me compd. [67733-78-2] had much lower activity.

IT **67733-76-0**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(cytokinin activity of)

RN 67733-76-0 CAPLUS
CN 1H-Purine, 6-[(2-methylphenyl)methoxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1978:541756 CAPLUS
DOCUMENT NUMBER: 89:141756
TITLE: Studies on plant growth-regulating substances. L. The cytokinin activity of some substituted benzyloxypurines
AUTHOR(S): Wilcox, E. J.; Selby, C.; Wain, R. L.
CORPORATE SOURCE: Wye Coll., Univ. London, Ashford/Kent, UK
SOURCE: Annals of Applied Biology (1978), 88(3), 439-44
CODEN: AABIAV; ISSN: 0003-4746
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

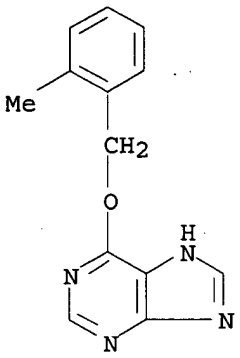


I

AB Eighteen mono- and di-Me and -methoxybenzoyloxypurnes I (R and R1 = H, Me, or MeO) were tested for cytokinin activity by the wheat leaf senescence and short coleoptile tests, as well as by the tobacco pith test. 6-(2-Methylbenzyl)oxypurine **[67733-76-0]** and 6-(3-methoxybenzyl)oxypurine (II) [67733-84-0] were more active than the parent I (R = R1 = H). Disubstitution sharply decreased the activity. II was also the most active in promoting tobacco tissue growth and differentiation.

IT **67733-76-0**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
(cytokinin activity of)

RN 67733-76-0 CAPLUS
CN 1H-Purine, 6-[(2-methylphenyl)methoxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1978:524572 CAPLUS
DOCUMENT NUMBER: 89:124572
TITLE: Retarding the growth of unwanted plants
INVENTOR(S): Sunley, Raymond Leo; Lewis, Terence; Pemberton, Dennis
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd., UK
SOURCE: Ger. Offen., 71 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2734827	A1	19780209	DE 1977-2734827	19770802
GB 1585950	A	19810311	GB 1976-32084	19760802
ZA 7704294	A	19780628	ZA 1977-4294	19770718
AU 7727169	A1	19790125	AU 1977-27169	19770720
AU 508770	B2	19800403		
BR 7704988	A	19780328	BR 1977-4988	19770729
FR 2360581	A1	19780303	FR 1977-23678	19770801
FR 2360581	B1	19830415		
NL 7708516	A	19780206	NL 1977-8516	19770802
JP 53018589	A2	19780220	JP 1977-92298	19770802
CA 1077038	A1	19800506	CA 1977-283886	19770802

PRIORITY APPLN. INFO.: GB 1976-32084 19760802
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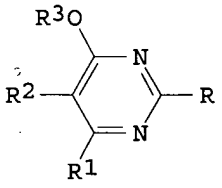


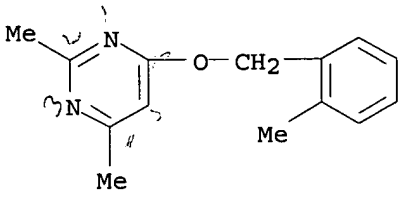
I

AB The pyrimidines I (R = H, Ph, substituted Ph, alkyl, substituted alkyl, mono- or dialkylamine, etc.; R1 = lower alkyl, alkenyl, cycloalkyl, pyridyl, naphthyl, Ph, etc.) are plant growth inhibitors and herbicides.

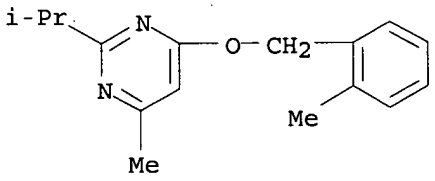
Thus, 4-[(cyclohexylmethyl)oxy]-6-methyl-2-propylpyrimidine [66743-14-4] at 1 kg/ha effectively controlled Echinochloa crus-galli, Leptochloa dubia, Cyperus difformis, and Monochoria vaginalis without damage to rice. The synthesis of I is given.

IT **66743-05-3P 66743-31-5P 66743-37-1P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and herbicidal activity of)

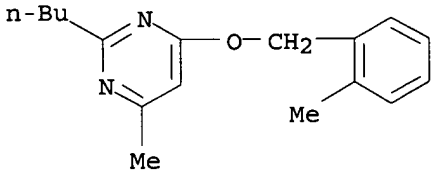
RN 66743-05-3 CAPLUS
CN Pyrimidine, 2,4-dimethyl-6-[(2-methylphenyl)methoxy]- (9CI) (CA INDEX NAME)



RN 66743-31-5 CAPLUS
CN Pyrimidine, 4-methyl-2-(1-methylethyl)-6-[(2-methylphenyl)methoxy]- (9CI) (CA INDEX NAME)



RN 66743-37-1 CAPLUS
CN Pyrimidine, 2-butyl-4-methyl-6-[(2-methylphenyl)methoxy]- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	36.71	185.07

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.21	-5.21

STN INTERNATIONAL LOGOFF AT 10:46:23 ON 08 MAY 2003